

The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

1. (Currently amended) A computer implemented method for identifying a cost-minimizing bid set for a reverse combinatorial auction[[s]] where all-of-nothing-bids are allowed, the computer performing the steps of:

receiving in a computer a plurality of bids, each bid having a timestamp, a bid price and item information identifying at least one bid item;

introducing in the computer a decision variable for each bid;

introducing in the computer a counting variable to indicate whether bids from a supplier are chosen in an optimal bid set;

modeling demand constraints by the computer for each item using decision variable for each bid;

modeling minimum and maximum numbers of suppliers by the computer based on the counting variables;

introducing in the computer dummy bids, based on said modeled demand constraints, to ensure computability of a cost-minimizing bid set meeting said modeled demand constraints;

~~formulating~~ providing the computer with an objective of choosing bids that arrive early, for a given cost, based on an additional timestamped objective with the given cost level as a constraint;

introducing price modifications in the computer to at least one of said bid's respective item information and adjusting, based on said price modifications, the ~~formulated~~ provided objective of choosing bids that arrive early, and

generating a winner of the reverse combinatorial auction by the computer, by selecting the cost-minimizing bid set from among said plurality of bids, the selecting based on said time stamps, said bid prices, said item information, said ~~formulated~~

provided objective of choosing bids that arrive early, and said modeled demand constraints.

2. (Currently amended) The computer implemented method of claim 1, wherein the reverse combinatorial auction is a single-round auction.
3. (Currently amended) The computer implemented method of claim 1, wherein the reverse combinatorial auction is a multiple-round auction.